

International Journal of Approximate Reasoning

AIMS AND SCOPE

The *International Journal of Approximate Reasoning* is intended to serve as a forum for the treatment of imprecision and uncertainty in Artificial and Computational Intelligence, covering both the foundations of uncertainty theories, and the design of intelligent systems for scientific and engineering applications. It publishes high-quality research papers describing theoretical developments or innovative applications, as well as review articles on topics of general interest.

Relevant topics include, but are not limited to, fuzzy sets and systems, possibility theory, probabilistic reasoning and Bayesian networks, imprecise probabilities, random sets, belief functions (Dempster-Shafer theory), rough sets, decision theory, non-additive measures and integrals, qualitative reasoning about uncertainty, comparative probability orderings, default reasoning, nonstandard logics, elicitation techniques, philosophical foundations and psychological models of uncertain reasoning.

Domains of application and related technical areas include engineering and expert systems, information retrieval and database design, risk analysis and assessment, information fusion, machine learning, data and web mining, modeling and prediction, uncertainty in financial markets, evolutionary computation, computer vision, image and signal processing, pattern recognition, intelligent data analysis, statistics, robotics, hybrid soft computing systems, etc.

The journal is affiliated with the North American Fuzzy Information Processing Society (NAFIPS), and collaborates with the Society for Imprecise Probability: Theories and Applications (SIPTA).

EDITORIAL BOARD

Editor-in-Chief

Thierry Denoeux

*Université de Technologie de Compiègne, Heudiasyc (UMR CNRS 6599),
Centre de Recherches de Royallieu, Compiègne, France
E-mail: Thierry.Denoeux@hds.utc.fr*

Area Editors

M. Berthold
University of Konstanz
O. Cordon
European Centre for Soft Computing

F.V. Jensen
Aalborg University
T. Sudkamp
Wright State University

Y. Yao
University of Regina
M. Zaffalon
IDSIA

Associate Editors

P. Bonissone
General Electric
I. Couso
University of Oviedo
F. Cozman
University of Sao Paulo
B. D'Ambrosio
Oregon State University
A. Darwiche
UCLA
B. De Baets
University of Ghent
G. De Cooman
University of Ghent
H. Fargier
Université Paul Sabatier
D. Filev
Ford Motor Co.
M. Grabisch
Université Paris I

R. Haenni
University of Bern
L. Hall
University of South Florida
C. Helgason
University of Illinois
A. Hunter
University College London
J. Keller
University of Missouri
V. Kreinovich
University of Texas at El Paso
R. Kruse
University of Magdeburg
C.-J. Liao
Taiwan Inst. of Information Science
S. Moral
University of Granada
H.T. Nguyen
New Mexico State University

N.R. Pal
Indian Statistical Institute
W. Pedrycz
University of Alberta
D. Poole
University of British Columbia
P. Shenoy
University of Kansas
E. Trillas
University of Madrid
L. Utkin
Petersburg Forest Tech. Academy
M. Valtorta
University of South Carolina
J. Yen
Pennsylvania State University
H. Ying
Wayne State University
N. Zhang
Hong Kong University Sci. Technol.

Advisory Board

B. Bouchon-Meunier
Université Pierre et Marie Curie
D. Dubois
Université Paul Sabatier
G. Klir
SUNY Binghamton
S.K. Pal

Indian Statistical Institute
H. Prade
Université Paul Sabatier
G. Shafer
Rutgers University
M. Sugeno
RIKEN Brain Sci. Institute

R.R. Yager
Iona College
T. Yamakawa
Kyushu Institute of Technology
L. Zadeh
Univ. of California at Berkeley

Founding Editor

J. Bezdek
University of West Florida